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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/443,702	11/19/1999	JAMES P. DOURISH	XER-2-299	7610

7590

04/25/2003

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EXAMINER

NGUYEN, MAIKHANH

ART UNIT	PAPER NUMBER
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2176

DATE MAILED: 04/25/2003

3

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 09/443,702	<b>Applicant(s)</b> DOURISH, JAMES P.	
	<b>Examiner</b> Maikhanh Nguyen	<b>Art Unit</b> 2176	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 19 November 1999.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All   b) ☐ Some \*   c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                  | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____  |
| 2) <input checked="" type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)              | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) <u>2</u> . | 6) <input type="checkbox"/> Other: _____                                    |

**DETAILED ACTION**

1. This action is responsive to communications: original application filed 11/19/1999; IDS filed 07/21/2000.
2. Claims 1-20 are currently pending in this application. Claims 1, 10, and 19 are independent claims.

**Rejections - 35 USC § 102**

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for the purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language; or " (Emphasis added.)

Claims 1-8 and 19 are rejected under 35 U.S.C. 102(e) as being anticipated by **Cullen et al.** (U.S. 6,397,213 – filed 05/1999).

**As to independent claim 1**, Cullen discloses a method of providing an active annotation mechanism for use in association with a document of a document management system, where the document has an annotation added (one or more of the zones in the document are selected for annotation ... a document management system; col.2, lines 3-50), the method comprising:

- electronically scanning the document (document 310 can be a document that is generated electronically or a document that has been transformed into an electronic form “i.e., by scanning in the document”; col.4, lines 9-20/the extracted keywords are used in annotation ...an electronic document can be created electronically or a document transformed into electronic form; col.4, lines 49-65);

- detecting the annotation added to the scanned document (text and image zones in the document are assigned annotations / a text annotation is assigned to each of the zones in the document; col.5, lines 28-47);

- determining an action to be undertaken with reference to the document, based on the annotation (a determination is made whether all zones in the document selected for annotation have, in fact, been annotated; col.6, lines 27-41); and

- performing the action required by the annotation (The combination of the text-based query and image-based query provides a powerful query mechanism. This combination allows the keywords and image features to be combined to find other documents that contain similar images or similarly annotated images. Thus, the text annotations for images can be used in the document searching process to retrieve other documents that include similar words in their text annotations; col.7, lines 46-54).

**As to dependent claim 2**, Cullen discloses the active annotation mechanism is configured to be aware of a nature of the of the annotation content and applications whose behavior needs to be coordinated (determine their x,y coordinates) to perform the action required by the annotation (fig.4A).

**As to dependent claim 3**, Cullen discloses the active annotation mechanism is invoked when the document is stored (provides a powerful query mechanism ...other documents; col.7, lines 46-54).

**As to dependent claim 4**, Cullen discloses the active annotation mechanism is invoked at predetermined time intervals (fig.4A).

**As to dependent claim 5**, Cullen discloses the annotation carries at least one of an activity to be carried out and a parameter that configures that activity (the zones are annotated ...by modifying parameters of a sample document; col.7, lines 46-54).

**As to dependent claim 6**, Cullen discloses the annotation is stored with the document (text and image zones in the document are assigned annotations; col.5, lines 28-32).

**As to dependent claim 7**, Cullen discloses the annotation is stored separate from the document (Abstract).

**As to dependent claim 8**, Cullen discloses the active annotation mechanism operates over at least plain text, files, program source code and presentations (fig.5B).

**Independent claim 19** is directed to an active annotation mechanism for performing the method of claim 1, and is similarly rejected under the same rationale.

### ***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

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(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 10-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over **Cullen et al.** in view of **Covington et al.** (U.S. 5,524,193 – filed 09/1994).

**As to independent claim 10**, the rejection of claim 1 above is incorporated herein in full. However, claim 10 further recites “assigning a triggering event to the property such that the property invokes the executable code in response to the triggering event; and upon an occurrence of the triggering event, invoking the executable code of the property and dynamically changing the system configuration of the document to include the desired configuration.”

Cullen is silent on these limitations.

Covington teaches assigning a triggering event to the property such that the property invokes the executable code in response to the triggering event; and upon an occurrence of the triggering event, invoking the executable code of the property and dynamically changing the system configuration of the document to include the desired configuration (create a sequence of media events...a sequence of media events is connected will be referred to herein as a "trigger"...the ability to change existing annotating sequences; col.2, lines 42-59).

It would have obvious to a person of ordinary skill in the art at the time the invention was made to combine the teachings of Covington with Cullen because it would have provided the improved method for annotating a text document or other media event with any other media event or events.

**Dependent claims 11-17** include the same limitations as in claims 2-8, and are similarly rejected under the same rationale.

5. Claims 9, 18 and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over **Cullen et al.** in view of **Applicant's Admitted Prior Art (APA)**.

As to **dependent claim 9**, Cullen does not explicitly disclose "the annotation is placed on the document at least as an in-line annotation and an out-of-band annotation."

APA discloses the annotation is placed on the document at least as an in-line annotation and an out-of-band annotation (Annotations are provided in a variety of ways, including but not limited to in-line annotation, or out-of-band annotations; Specification, page 1).

It would have obvious to a person of ordinary skill in the art at the time the invention was made to combine the teachings of APA with Cullen because it would have provided the enhanced capability for adding comments to a document.

**Dependent claims 18 & 20** include the same limitations as in claim 9, are similarly rejected under the same rationale.

### ***Conclusion***

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Anderson et al.      U.S Patent No. 5,581,682      issued dated: Jun. 4, 1996

Morgan et al.      U.S Patent No. 5,239,466      issued dated: Aug. 24, 1993

Bill Schilit et al., entitled: "XLibris: An Active Reading Machine" Published by FX Palo Alto Laboratory, Inc, 1999, pages 1-3.

Steve B. Cousin et al., entitled: "A Systems View of Annotations" Pulished by Xerox Palo Alto Research Center, date unclear.

Kenton O' Hara et al., entitled: "A Comparision of Reading Paper and On-Line Documents" Pubished by Rank Xerox Research Centre, 1997.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Maikhanh Nguyen whose telephone number is (703) 306-0092. The examiner can normally be reached on Monday - Friday from 9:00am – 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Heather R Herndon can be reached on (703) 308-5186. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 308-5403 for regular communications and (703) 308-5403 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-9600.

**Contact Information:**

**Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks  
Washington, D.C. 20231

Or fax to:

AFTER-FINAL faxes must be signed and sent to (703) 746-7238.  
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NON OFFICIAL faxes should be sent to (703) 746-7240.

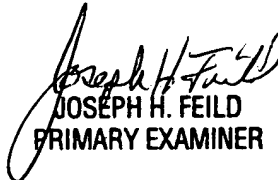
All OFFICIAL faxes will be handled and entered by the docketing personnel. The date of entry will correspond to the actual FAX reception date unless that date is a Saturday, Sunday, or a Federal Holiday within the District of Columbia, in which case the official date of receipt will be the next business day. The application file will be promptly forwarded to the Examiner unless the application file must be sent to another area of the Office, e.g., Finance Division for fee charging, etc.



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Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA., Sixth Floor (Receptionist). All hand-delivered responses will be handled and entered by the docketing personnel. Please do not hand deliver responses directly to the Examiner.

Maikhanh Nguyen  
April 15, 2003

  
JOSEPH H. FEILD  
PRIMARY EXAMINER